

ABSTRACT OF THE DISCLOSURE

A radiation image read-out apparatus includes a condenser optical system which converges stimulated emission emitted from a radiation image convertor panel upon exposure to stimulating light. A photodetector receives the stimulated emission converged by the condenser optical system and has a sensitivity to light longer in wavelength than the stimulating light and a stimulating light cut filter is disposed in the optical path of the stimulated emission between the photodetector and the radiation image convertor panel to transmit the stimulated emission and to cut the stimulating light. A longer wavelength light cut filter which transmits the stimulated emission and attenuates the intensity of light components longer in wavelength than the stimulating light is provided in the optical path of the stimulated emission between the photodetector and the radiation image convertor panel.